ABSTRACT

A system and method for dynamically varying traffic channel sectorization within a spread spectrum communication system is disclosed herein. In a preferred implementation the system is operative to convey information to at least one specified user in a spread spectrum communication system and includes multiple antennas , each having an associated coverage area, and each coupled to an antenna driver . The antenna drivers each include a delay element and an input summation node . A switching transmission network is disposed to selectively transmit via antennas . Selective transmission of signals results in variation in size of a given user sector. In another aspect, the system may be configured to selectively receive, and coherently combine, signals from different coverage areas.